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NEW USSR FERROUS METALS PLANTS, PROCESSES, PRODUCTS

NEW PLANTS -- Moscow, Komsomol'skaya Pravda, 14 Oct 53

A new plant has been opened in Molotov and is already producing thousands of tons of light sheet iron, pipes, tubs, sinks, and other consumer goods. The new building houses a sheet rolling mill.

As recently as 2 months ago, the sheet rolling shop rarely filled its norms; now all four shifts daily overfulfill their quotas. The city division of local industry has decreed that 65 percent of the sheet manufactured by the plant meet first-grade specifications. The plant is having no difficulty in meeting this requirement.

One shop in the plant manufactures galvanized dishes.

Moscow, Pravda, 24 Dec 53

A new sheet rolling plant of the Dnepropetrovsk Gorpromkombinat was opened in Dnepropetrovsk. The plant manufactures roofing iron for the housing industry. It has an annual sheet steel output capacity of 12,000 tons.

NEW SMELTING TECHNIQUES -- Moscow, Trud, 31 Oct 52

The Kazakh Metallurgical Plant has developed a new technique for deoxidizing rimming steel in the ladle. This technique saves up to 100 kilograms of ferro-manganese per heat.

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Yerevan, Kommunist, 2 Oct 53

The Aktyubinsk Ferroalloy Plant has developed a new smelting method which decreases idle furnace time. Furnace output has thus been increased by 15 percent.

NEW PRODUCTS, METHODS -- Frunze, Sovetskaya Kirgiziya, 22 Mar 53

The Magnitogorsk Metallurgical Combine blast furnaces are currently producing quality pig iron; the sulfur content has been reduced to 0.040 percent from the standard 0.076 percent.

To improve pig iron quality, a group of engineers and furnace men have adopted a slag process. They increase the temperature of the molten iron and slag and add a higher-concentrate limestone. Consequently, the sulfur is separated from the metal and eliminated with the slag. This method is now used in all blast furnaces of the combine.

Tbilisi, Zarya Vostoka, 7 Jul 53

The Transcaucasian Metallurgical Plant imeni Stalin has attained higher production indexes in almost all of its operations. The plant is now manufacturing large-diameter pipe.

In contrast to the excellent record, there are some deficiencies. The plant has not made optimum use of its resources. Labor and business management are rather poor. There are several production bottlenecks in the plant which should be eliminated.

Tbilisi, Zarya Vostoka, 4 Jan 53

The Baku Pipe Rolling Plant has initiated the production of seamless tube for the petroleum industry at the beginning of 1953.

Minsk, Sovetskaya Belorussiya, 4 Mar 53

The rolling shop of the Uzbek Metallurgical Plant is now using a high-speed rolling method; instead of the previous 60-70 blooms per hour, 100 are rolled.

Frunze, Sovetskaya Kirgiziya, 13 Jan 53

Equipment automatization is progressing at the Stalino Metallurgical Plant imeni Stalin. Heretofore, heat soaking and heat treatments were judged by eye; now, with the aid of precision control apparatus, errors of human judgment are prevented.

Blast furnaces, open-hearth furnaces, rolling mills, and other equipment have been automatized. The open-hearth automatization has resulted in a 12 percent productivity rise and a simultaneous drop in fuel and refractory consumption.

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Leningrad, Leningradskaya Pravda, 14 Jun 52

The personnel of the Stalino Metallurgical Plant imeni Stalin have achieved a new technical competence. They now repair and overhaul much of their equipment when it is idle. Thus, rolling mills are repaired and serviced when they are stopped for rolling. All necessary parts and tools are prepared beforehand.

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